

FORM PTO-130 (REV. 11-2000)		U.S. DEPARTMENT OF COMMERCE: PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED		
PCT/CA00/00971	28 August 2000 (28.08.00)	03 APRIL 2000 (03.04.00)		
TITLE OF INVENTION GOLF PUTTING ALIGNMENT SYSTEM				
APPLICANT(S) FOR DO/EO/US LISTER GARY R.				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(i)). The submission must include items (5), (6), (9) and (21) indicated below. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 				
Items 11 to 20 below concern document(s) or information included:				
<ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Other items or information: 				

U.S. APPLICATION NUMBER OR PCT/PTO NUMBER 107019435	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER																																														
<p><input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... \$1000.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00</p> <p style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p>		CALCULATIONS PTO USE ONLY																																														
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(c)).</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <th>\$</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>- 20 =</td> <td></td> <td>x \$18.00</td> <td>\$</td> </tr> <tr> <td>Independent claims</td> <td>- 3 =</td> <td></td> <td>x \$80.00</td> <td>\$</td> </tr> <tr> <td>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td></td> <td></td> <td>+ \$270.00</td> <td>\$</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$</td> </tr> </tbody> </table> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2" style="text-align: right;">SUBTOTAL =</th> <th>\$</th> </tr> </thead> <tbody> <tr> <td colspan="2">Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td>\$</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE =</td> <td>\$</td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>\$</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED =</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">Amount to be refunded: \$</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">charged: \$</td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	- 20 =		x \$18.00	\$	Independent claims	- 3 =		x \$80.00	\$	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00	\$	TOTAL OF ABOVE CALCULATIONS =				\$	SUBTOTAL =		\$	Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$	TOTAL NATIONAL FEE =		\$	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$	TOTAL FEES ENCLOSED =		\$			Amount to be refunded: \$			charged: \$	
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<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>430.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																																																
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p style="text-align: right;"> <u>Gary R. Lister</u> SIGNATURE <u>GARY R. LISTER</u> NAME </p> <p>REGISTRATION NUMBER _____</p>																																																

10/019435 - 123101

JC13 Rec'd PCT/PTO 31 DEC 2001

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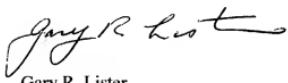
January 4, 2001

To whom it may concern

Re: International application No. PCT / CA 00 / 00971

This letter is being submitted; to indicate the differences between the claims filed and the claims amended. The claim is new. [Where originally there were 10 claims and after amendment of all the claims there are 7]: "Claims 1-10 replaced by amended claims 1-7."

Sincerely,



Gary R. Lister

DESCRIPTION**Title of Invention – Golf Putting Alignment System****Technical Field**

The invention relates to the game of golf and more importantly to a golf putter having an alignment arrangement based on the position of the shaft over the centerline mark on the putter head.

Background of the Invention

Putting plays an important role in a successful round of golf. In order to technically execute a proper putt a golfer must be properly positioned relative to the ball and to an intended line of the putt. A putter has a striking face, which should be aligned square to the desired path of the ball travel.

It is known that an alignment centerline is placed on the top surface of the putter to aid a golfer in positioning the face of a putter square to the target line of the putt. Typically, this centerline or aiming line is perpendicular to the face and is positioned at the desired area of putter to ball impact.

In addition to having the putter face aligned to the intended target line a golfer must be in the proper position relative to the ball to have proper golf techniques. The eyes of the golfer should be over the ball so that when the ball is struck the putter is returned to the proper position to send the ball on its desired target line.

It takes regular practice to develop a putting stance and stroke to propel a golf ball on its intended target line. Golfers of all skill levels have been shown to find this eye position and putter alignment difficult to maintain over time.

An object of the invention is to provide a putter that can be used to indicate when proper alignments have been attained for stroking a golf ball.

A putter that uses a shaft to facilitate alignment of a putter head and a golfer's head relative to a ball and a desired path of ball travel is shown, for example, in the following United States of America patent 5,564,990 – Weeks.

Though such a putter has achieved popularity and commercial success, there has been a continuing need for improvement.

Summary of the Invention

The above object has been met by a golf putting alignment system that uses the shaft attached between the centerline mark and the toe of the putter head to facilitate proper alignment of the putter head and golfer's eyes relative to a ball and a desired path of ball travel.

Golf putting alignment system has a putter, which includes a head having a shaft portion on which an alignment mark is formed. This mark allows a golfer to use the club shaft in a manner to properly align the putter head relative to an intended path of ball travel and to align the golfer's eyes relative to the ball.

The shaft is attached to the putter head between the centerline mark and the toe of the head. The shaft is attached to the toe end of the head opposite to that of a conventional putter. The putter head is now closer to the golfer making it easier for the golfer to get over the putt. The shaft is at an acute angle to the heel position and extends directly over the length of putter head in direction away from the toe. Attaching the shaft in this position causes the shaft to extend back over putter head, thus crossing the centerline mark on the head. It also makes the shaft run parallel to the face of the putter making it easier to square the face to the target line.

The centerline mark crosses the width of the putter. An alignment mark is placed on the top of the shaft directly over the position the shaft crosses the centerline mark.

A golfer lines the putter face at a right angle to the desired path the ball is to travel. Then aligns the alignment mark on the top of the shaft to the centerline mark on the head, the putter head becomes square to the target line and brings the golfer's eyes perpendicular over the putt as they should be. In effect, the club shaft is used as part of the aiming arrangement both to assist a golfer in squaring the putter and to correctly set up the golfer over a putt.

Drawings

In the drawings, which form a part of this specification.

Fig. 1 is side view of the face of a right-handed putter with the shaft attached towards the toe. The numbers in this drawing represent the following part of the putter;

- 1 – Shaft
- 2 – Alignment mark on top of the shaft which lines up with the centerline on the head
- 3 – Centerline on top of putter head
- 4 – Toe
- 5 – Heel
- 6 – Face
- 8 – Sole

Fig. 2 is a top view of a left-handed putter. The numbers in the drawing represent the same parts, as in Fig. 1 the only different number is 7 – Back.

Fig. 3 shows a golfer positioned over a putter using this system of putting alignment. It shows the putter pointing towards the golfer with the golfer's eyes clearly over the putter.

CLAIMS**Title of Invention – Golf Putting Alignment System**

The embodiment of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A golf putting alignment system that uses two reference marks, one on the putter's head and one on the putter's shaft that indicates to a golfer when their eyes are perpendicular over the center of a putter head when the putter is in the putting position.
2. This position of having the golfer's eyes perpendicularly over the putter center can only be achieved by having two points of reference or marks, which line up vertically with one another. The first reference point is marked on the putter head and the second is directly above it.
3. To achieve a perpendicular alignment of the marks, one of the marks is on the center top of the putter head running from the face to the back. The second mark can only be placed on the putter's shaft where the shaft crosses the centerline of the putter head, as viewed from above.
4. The putter shaft must attached to the putter between the toe and the centerline of the putter and extend back over the putter head so that the second mark can be applied to the shaft in a position that is directly above the centerline mark.
5. The exact position of the second mark on the putter shaft is determined by projecting a perpendicular line from the centerline of the putter head to where it intersects the shaft. It is at this intersection that the second mark is placed on the shaft. This is the only point on the shaft where a mark can be made that enables the golfer's sight line to be perpendicular to the centerline of the putter head.
6. Golfers now only have to visually align the mark on the shaft to the centerline mark on the putter head to know that they now have their eyes perpendicular over the putter head.
7. Any putter can be modified to use this system by moving the shaft forward of the centerline and attaching it so that it extends back over the length of the putter head. A mark is then placed on the shaft at a point that is perpendicular to the centerline as describes in claim 5.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
11 October 2001 (11.10.2001)

PCT

(10) International Publication Number
WO 01/74456 A1

(51) International Patent Classification?: A63B 53/00

DE, DK, DM, DZ, EE, ES, FL, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(21) International Application Number: PCT/CA00/000971

(22) International Filing Date: 28 August 2000 (28.08.2000)

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:
2,303,607 3 April 2000 (03.04.2000) CA

Published:

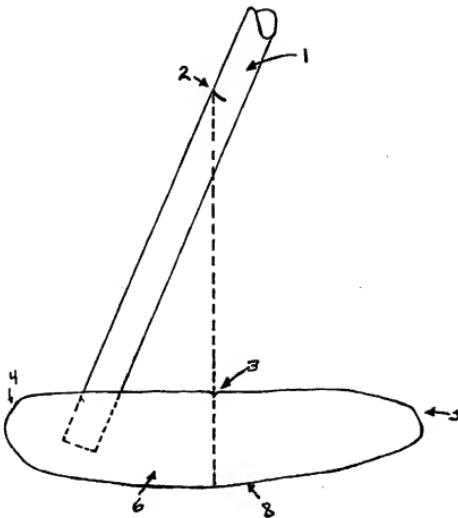
- with international search report
- with amended claims

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Cultus Lake, British Columbia V2R 4Y7 (CA).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(81) Designated States (national): AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,

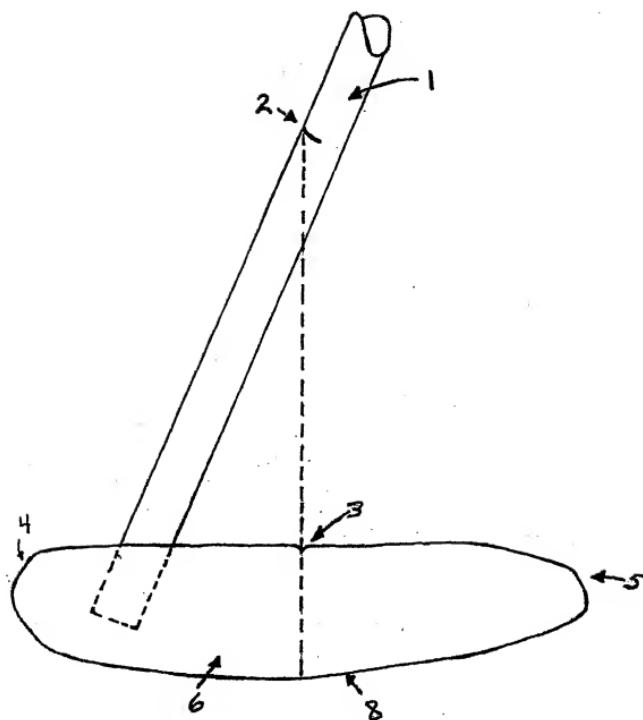
(54) Title: GOLF PUTTING ALIGNMENT SYSTEM



(57) Abstract: A putting system using an alignment mark (2) on the top of a shaft in relation to the centerline mark (3) on the putter head. A golf putting alignment system that has a putter, which has the shaft (1) attached to the head of the putter between the centerline mark (3) and the toe (4) of the putter. The putter head is now closer to the golfer making it easier for the golfer to get over a putt. The shaft (1) is at an acute angle to the heel position and extends directly over the length of putter head in direction away from the toe. Attaching the shaft in this position causes the shaft to extend back over putter head, thus crossing the centerline mark (3) on the head. An alignment mark (2) is placed on the shaft directly over the position the shaft crosses the centerline mark (3). The golfer lines the putter's face (6) square to the desired path the ball is to travel. The golfer then aligns the alignment mark (2) on the shaft to the centerline mark (3) on the head, the putter head becomes square to the target line and brings the golfer's eyes perpendicular over the putt as it should be.

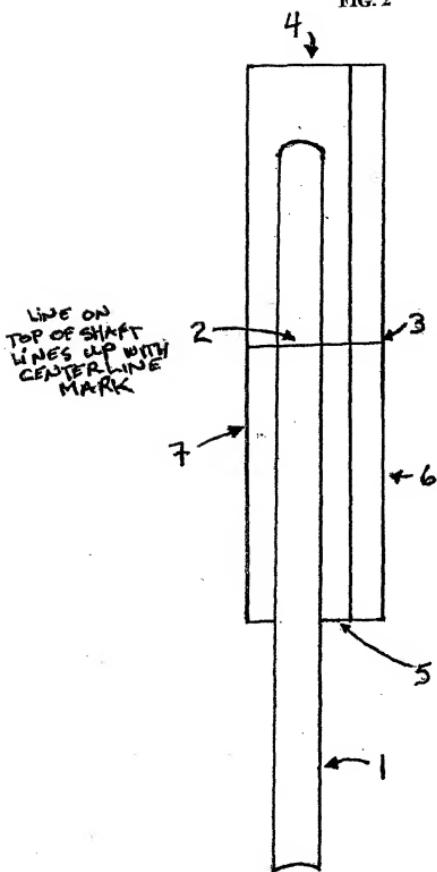
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FIG. 1



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FIG. 2



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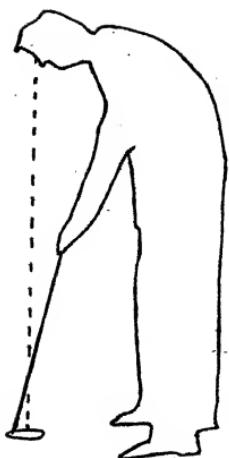
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Fig. 3



CLAIMS**Title of Invention - Inseyed Putting Alignment System**

The embodiment of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A golf putting alignment system where a putter comprises:
 - an elongated club shaft having a grip on one end and the other end is attached to a putter head at a junction between the centerline mark and the toe,
 - the putter head points towards the golfer making it easier for the golfer to get his/her eyes over the putter and ball as opposed to a conventional putter where the putter head points away from the golfer.
 - the said putter head having a striking face and having a heel and a toe on the opposite sides of said junction,
 - the said putter head also has a back, top and sole.
2. The head has a centerline mark running the width of it and perpendicular to the face and is positioned at the desired area of putter to ball contact.
3. The said shaft is attached at an acute angle to the heel position and extends directly over the length of putter head in direction away from the toe and parallel to the face.
4. Attaching the shaft in this position causes the shaft to extend back over putter head, thus crossing the centerline mark on the head.
5. An alignment mark is placed on the top of the shaft directly over the position the shaft crosses the centerline mark.
6. The putting system using an alignment mark on the top of a shaft in relation to the centerline mark on the putter head
7. When the alignment mark on the top of the shaft is aligned to the centerline mark on the head, the putter head becomes square to the target line and brings the golfer's eyes perpendicular over the putter and ball as they should be.
8. This alignment system can be used on different types of putter heads such as blade, mallets or heel toe weighted.
9. This alignment system can be used for left-hand or right-hand putters.
10. This alignment system can be used when a shaft is attached by a neck that allows for the shaft to run parallel to the face either in the back or front of the putter. The key is that the shaft has to be attached between the centerline mark and the toe.

CLAIMS**Title of Invention – Golf Putting Alignment System**

The embodiment of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A golf putting alignment system that uses two reference marks, one on the putter's head and one on the putter's shaft that indicates to a golfer when their eyes are perpendicular over the center of a putter head when the putter is in the putting position.
2. This position of having the golfer's eyes perpendicularly over the putter center can only be achieved by having two points of reference or marks, which line up vertically with one another. The first reference point is marked on the putter head and the second is directly above it.
3. To achieve a perpendicular alignment of the marks, one of the marks is on the center top of the putter head running from the face to the back. The second mark can only be placed on the putter's shaft where the shaft crosses the centerline of the putter head, as viewed from above.
4. The putter shaft must attached to the putter between the toe and the centerline of the putter and extend back over the putter head so that the second mark can be applied to the shaft in a position that is directly above the centerline mark.
5. The exact position of the second mark on the putter shaft is determined by projecting a perpendicular line from the centerline of the putter head to where it intersects the shaft. It is at this intersection that the second mark is placed on the shaft. This is the only point on the shaft where a mark can be made that enables the golfer's sight line to be perpendicular to the centerline of the putter head.
6. Golfers now only have to visually align the mark on the shaft to the centerline mark on the putter head to know that they now have their eyes perpendicular over the putter head.
7. Any putter can be modified to use this system by moving the shaft forward of the centerline and attaching it so that it extends back over the length of the putter head. A mark is then placed on the shaft at a point that is perpendicular to the centerline as describes in claim 5.

CLAIMS

Title of Invention – Inseyed Putting Alignment System

The embodiment of the invention in which an exclusive property is claimed, are defined as follows:

1. A golf putting alignment system that aligns a golfer's eyes perpendicular over the centerline of a putter, the said alignment system is applied to a putter that has a shaft attached near the toe of a putter head and extends up and across the center line and passes over the heel, the said putting alignment system uses two reference marks, the first mark being the centerline on a putter's head and the second mark being a corresponding mark on the top of a putter's shaft perpendicular to the centerline mark below, the only point on the top shaft that can be used for the second line is the point perpendicular from the centerline, when the two lines are visually aligned it indicates to a golfer that their eyes are perpendicular over the center of a putters head when a putter is in the putting position.

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration Submitted with Initial Filing

OR

Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	
First Named Inventor	
COMPLETE IF KNOWN	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

As a below named Inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GOLF PUTTING ALIGNMENT SYSTEM

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY)

08/28/2000

as United States Application Number or PCT International

Application Number

PCT/CA00/00711

and was amended on (MM/DD/YYYY) 01/04/2001 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
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 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number _____ OR Correspondence address below

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	<u>GARY RAE</u>	Family Name or Surname	<u>LISTER</u>
Inventor's Signature	<u>Gary R. Lister</u>		Date <u>OCT 27/01</u>
Residence: City	<u>CULTUS LAKE</u>	State	<u>B.C.</u>
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NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname		
Inventor's Signature	Date		
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	ZIP	Country

Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.